



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

6 FEB 2017

MEMORANDUM FOR MCHE-ZPR-R

ATTN: MAJ WINNIFRED M. WONG

FROM: 59 MDW/SGVU

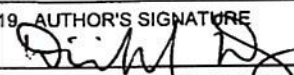

SUBJECT: Professional Presentation Approval

1. Your paper, entitled Lumpectomy Cavity Clip Placement and Improved Radiation Therapy Outcomes in A Military Population presented at/published to Journal of the National Comprehensive Cancer Network & NCCN 22<sup>nd</sup> Annual Conference 2017, Rosen Shingle Creek, Orlando, FL, 23-25 March 2017 in accordance with MDWI 41-108, has been approved and assigned local file #17044.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

Linda Steel-Goodwin

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support

# **PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

|   |  |   |  |
|---|--|---|--|
| 1. TO: CLINICAL RESEARCH  | 2. FROM: (Author's Name, Rank, Grade, Office Symbol)<br>Winnifred M. Wong, MAJ, USAF, MCHE-ZPR-R | 3. GME/GHSE STUDENT:<br><input type="checkbox"/> YES <input type="checkbox"/> NO  | 4. PROTOCOL NUMBER:<br>FWH20160077E                        |
| 5. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.)<br>Lumpectomy cavity clip placement and improved radiation therapy outcomes in a military population  |  |   |  |
| 6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED:<br>Abstract  |  |   |  |
| 7. FUNDING RECEIVED FOR THIS STUDY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FUNDING SOURCE:   |  |   |  |
| 8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |  |   |  |
| 9. IS THIS MATERIAL CLASSIFIED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO   |  |   |  |
| 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO NOTE: If the answer is YES then attach a copy of the Agreement to the Publications/Presentations Request Form. |  |   |  |
| 11. MATERIAL IS FOR: <input checked="" type="checkbox"/> DOMESTIC RELEASE <input type="checkbox"/> FOREIGN RELEASE<br>CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.   |  |   |  |
| <input type="checkbox"/> 11a. PUBLICATION/JOURNAL (List intended publication/journal.)  |  |   |  |
| <input checked="" type="checkbox"/> 11b. PUBLISHED ABSTRACT (List intended journal.)<br>Journal of the National Comprehensive Cancer Network  |  |   |  |
| <input checked="" type="checkbox"/> 11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)<br>NCCN 22nd Annual Conference 2017, Rosen Shingle Creek, Orlando, FL, 23-25 March 2017   |  |   |  |
| <input checked="" type="checkbox"/> 11d. PLATFORM PRESENTATION (At civilian institutions: name of meeting, state, and date of meeting.)<br>NCCN 22nd Annual Conference 2017, Rosen Shingle Creek, Orlando, Florida, March 23 - 25, 2017   |  |   |  |
| <input type="checkbox"/> 11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)  |  |   |  |
| 12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ASSIGNED FILE # _____ DATE _____   |  |   |  |
| 13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC<br>NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).  |  |   |  |
| DATE<br>January 2017  |  |   |  |
| 14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)<br>Weiblen, Melinda J, melinda.j.weiblen.ctr@mail.mil  |  |   | 15. DUTY PHONE/PAGER NUMBER<br>210-916-5609 / 210-513-2459 |
| 16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.   |  |   |  |
| LAST NAME, FIRST NAME AND M.I.  | GRADE/RANK   | SQUADRON/GROUP/OFFICE SYMBOL  | INSTITUTION (If not 59 MDW)                                |
| a. Primary/Corresponding Author<br>Brennan, Alexandra   | 2LT  | UTHSCSA Medical Student   | UTHSCSA Medical Student                                    |
| b. Weiblen, Melinda   | B.S. / Contrator   | Rad Onc/MCHE-ZPR-R  | Brooke Army Medical Center                                 |
| c.  |  |   |  |
| d.  |  |   |  |
| e.  |  |   |  |
| 17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |  |   |  |
| I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.   |  |   |  |
| 18. AUTHOR'S PRINTED NAME, RANK, GRADE<br>Winnifred M. Wong, MAJ, USAF, Staff   |  | 19. AUTHOR'S SIGNATURE<br>              | 20. DATE<br>December 01, 2016                              |
| 21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE<br>Bronwyn Stall, LTC, USA, Chief, Radiation Oncology Services  |  | 22. APPROVING AUTHORITY'S SIGNATURE<br> | 23. DATE<br>December 01, 2016                              |



| <b>PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS</b>  |   |  |                              |
|--|---|--|------------------------------|
| <b>1st ENDORSEMENT (59 MDW/SGVU Use Only)</b>  |   |  |                              |
| TO: Clinical Research Division<br>59 MDW/CRD<br>Contact 292-7141 for email instructions.   | 24. DATE RECEIVED<br>26 Jan 2017  | 25. ASSIGNED PROCESSING REQUEST FILE NUMBER<br>17044 |                              |
| 26. DATE REVIEWED<br>31 Jan 2017   | 27. DATE FORWARDED TO 502 ISG/JAC   |  |                              |
| 28. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes, give date. 26 Jan 2017 <input type="checkbox"/> N/A |   |  |                              |
| 29. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED<br><br>IRB determined "exempt" study with appropriate disclaimers and no COI. Approved      |   |  |                              |
| 30. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER<br>Kevin Kupferer/GS13/Hum Res Subj Prot Expert  | 31. REVIEWER SIGNATURE<br>KUPFERER.KEVIN.<br><small>Digitally signed by KUPFERER.KEVIN.R.1086667270<br/>DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,<br/>ou=USDA, email=kupferer.kevin@usda.gov<br/>Date: 2017.01.31 06:21:08 -06:00</small>                      |  | 32. DATE<br>31 Dec 2017      |
| <b>2nd ENDORSEMENT (502 ISG/JAC Use Only)</b>  |   |  |                              |
| 33. DATE RECEIVED  | 34. DATE FORWARDED TO 59 MDW/PA   |  |                              |
| 35. COMMENTS <input type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED  |   |  |                              |
|  |   |  |                              |
| 36. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER  | 37. REVIEWER SIGNATURE  |  | 38. DATE                     |
| <b>3rd ENDORSEMENT (59 MDW/PA Use Only)</b>  |   |  |                              |
| 39. DATE RECEIVED<br>February 2, 2017  | 40. DATE FORWARDED TO 59 MDW/SGVU<br>February 3, 2017   |  |                              |
| 41. COMMENTS <input checked="" type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED                                 |   |  |                              |
|  |   |  |                              |
| 42. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER<br>Kevin Iinuma, SSgt/E-5, 59 MDW Public Affairs   | 43. REVIEWER SIGNATURE<br>IINUMA.KEVIN.MITSUGU.12<br>96227613<br><small>Digitally signed by IINUMA.KEVIN.MITSUGU.1296227613<br/>DN: c=US, o=U.S. Government, ou=DoD, ou=USAF,<br/>ou=IINUMA.KEVIN.MITSUGU.1296227613<br/>Date: 2017.02.03 08:02:54 -06:00</small> |  | 44. DATE<br>February 3, 2017 |
| <b>4th ENDORSEMENT (59 MDW/SGVU Use Only)</b>  |   |  |                              |
| 45. DATE RECEIVED  | 46. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL<br><input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> COULD NOT BE REACHED <input type="checkbox"/> LEFT MESSAGE  |  |                              |
| 47. COMMENTS <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED  |   |  |                              |
|  |   |  |                              |
| 48. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER  | 49. REVIEWER SIGNATURE  |  | 50. DATE                     |

Lumpectomy cavity clip placement and improved radiation therapy outcomes in a military population

**Background:**

To demonstrate quality improvement in the military population in the planning and treatment of breast cancer patients receiving lumpectomy and surgical clip placement prior to adjuvant breast-conserving radiation therapy.

**Methods:**

A retrospective study at The San Antonio Military Medical Center (SAMMC) was performed on breast conserving surgery (BCS) patients from December 2014 to December 2015 evaluating the use of seroma cavity surgical clip placement after multidisciplinary conference discussion of its benefits, and its impact on radiotherapy planning and patient outcomes. All pathology was confirmed by needle biopsy, and systemic therapy was allowed. The primary endpoint was to establish an improved rate of seroma cavity delineation with clip placement. Secondary endpoint was to establish impact on radiotherapy boost treatment. Radiotherapy planning was performed with 4D-CT simulation and Eclipse software. IRB approval was obtained.

**Results:**

A total of 61 patients were included in this study, with 63 diagnoses of breast cancer; 36 cases with invasive ductal carcinoma (57%), 6 invasive lobular carcinoma (10%), and 21 ductal carcinoma in situ (33%). Mean age was 59.6 years (range 34-75). The mean whole breast radiotherapy dose was 47.5 Gy (range 25.2-50.4), and mean boost dose was 7.1 Gy (range 0-16). Twenty patients received adjuvant chemotherapy with 17 receiving it prior to radiotherapy; all regimens were anthracycline and taxane-based. Surgical clips were placed in 45 (72%) of the patients. From December 2014 to May 2015, 25 of 42 BCS cases had clips (60%), while from June 2015 to December 2015, 20 of 21 BCS cases had clips (95%). Of those with clips placed, 32 had boost radiotherapy performed (71%); of those 18 without clips, 5 did not receive a boost (28%).

**Conclusions:**

The rate of seroma cavity clip placement in a military BCS patient population improved after multidisciplinary discussion of its benefits. This was further reflected in improved rates of radiotherapy boost performed for those with clips versus those without. As boost therapy is well-documented to improve local control and survival outcomes, the enhanced clip placement and boost performance improved quality of patient care. Seroma cavity clip placement in BCS patients should be the standard of care in the military population.

Disclaimer: The views expressed are those of the author(s)/presenter(s) and do not reflect the official views or policy of the Department of Defense or its Components.

**General Abstract Guidelines:**

- Abstracts must be no longer than 2,500 characters. One table may be submitted with the abstract and will count towards the 2,500 character limit. No figures will be accepted.
- Completed abstracts must be submitted through the JNCCNEM (a link will be provided in your confirmation e-mail that you will receive after completing the online submission and payment process). The abstract template requires the following sections, with the optional addition of one table: (1) Background, (2) Methods, (3) Results (must include data analysis/summary), and (4) Conclusions.
- Interim analysis for studies in progress will be considered; however, as with all abstracts, data analysis/summary must be included in the results section in order to support conclusions.
- Study titles should be neutral and when referring to drug names, use the drugs' generic names.
- Abbreviations should be used after first spelling out words to be abbreviated in the abstract.
- Authors may serve as first authors on up to two abstracts, but may be co-authors on an unlimited number of other abstract submissions.
- If selected for the poster session, an electronic version of your poster must be submitted to [abstracts@nccn.org](mailto:abstracts@nccn.org) by Wednesday, March 22, 2017.
- For more details on the submission process and poster specifications, please see the [2017 Poster Session Fact Sheet](#)